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EUROPEAN PATENT APPLICATION

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⑯ Priority: 27.05.81 US 267634

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⑯ Date of deferred publication of search report: 04.05.83

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⑯ Designated Contracting States:
AT BE DE FR GB IT NL SE

⑯ Television signal filtering system.

⑯ A signal separation system is provided which includes a plurality of serially-coupled signal transfer stages (102, 104, 106). A video information signal is applied to an input stage (102) and is delayed by at least the time interval of one horizontal television line (1-H) as it passes through the stages. Various ones of the stages which are 1-H apart in time include outputs, which are combined by weighting function (120-126) and summing or difference circuits (130-136) to produce bandwidth-limited transversal filter output signals. These signals are additively and subtractively combined to (140, 150, 160, 156) to produce a combed band passed chrominance signal and a fully restored and combed luminance signal, thereby obviating the need for subsequent filtering before the signals are further processed. The bandwidth-limited signals may also be combined (162) to provide a user adjustable peaking control signal for the luminance information channel.

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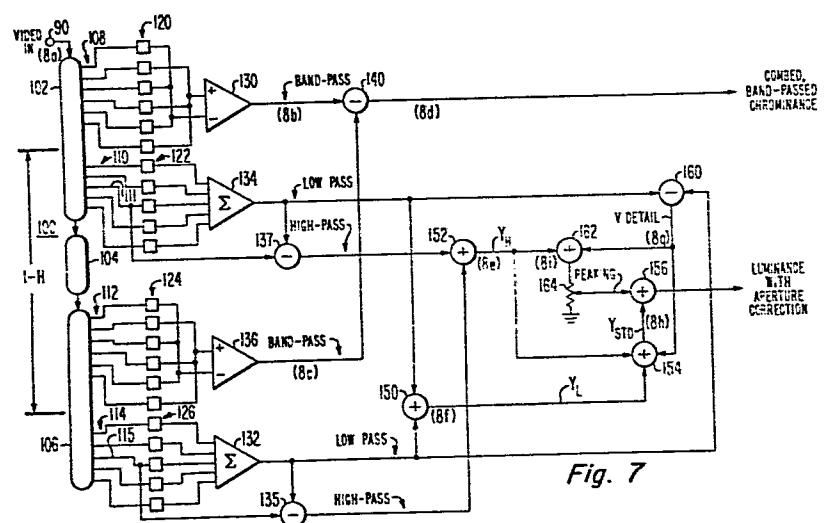


Fig. 7



EP 82302688.5

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.?)
A	<p><u>GB - A - 2 027 309 (RCA)</u> * Fig. 1a,1b; abstract *</p> <p>--</p>		H 04 N 9/535 H 04 N 9/32 H 03 H 15/00
A,D	<p>RCA REVIEW, vol. 41, no. 1, March 1980, Princeton, NJ.</p> <p>D.H. PRITCHARD "A CCD Comb Filter for Color TV Receiver Picture Enhancement" pages 3-28</p> <p>* Page 3, abstract; page 8, fig. 3; page 12, paragraph 3 - page 15, paragraph 1, fig. 9,10; page 17, paragraph 5 - page 19, paragraph 1, fig. 13 *</p> <p>--</p>		
A,P	<p><u>EP - A1 - 0 031 270 (THOMSON)</u> (01-07-1981)</p> <p>* Page 1, lines 1-6; fig. 2; page 6, lines 2-35 *</p> <p>--</p>		TECHNICAL FIELDS SEARCHED (Int. Cl.?) H 04 N 5/00 H 04 N 9/00 H 03 H 7/00 H 03 H 11/00 H 03 H 15/00 H 03 H 17/00
A	<p><u>DE - B2 - 2 403 233 (TRT)</u></p> <p>* Fig. 1; column 5, line 66 - column 10, line 8 *</p> <p>--</p>		
A	<p><u>US - A - 3 938 181 (AVINS)</u></p> <p>* Fig. 1; column 6, line 58 - column 8, line 36 *</p> <p>-----</p>		
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
VIENNA	03-02-1983	BENISCHKA	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
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A : technological background	O : non-written disclosure		
P : intermediate document			